

*The text below is used as a base for letters to politicians and others proponent of nuclear and coal fired powerplants.<sup>i</sup>*

## **Why is Nuclear Power Generation Not Suitable for the Modern Electricity Grid**

Over the years the Nuclear Power industry have promoted itself as a competitive and environmentally friendly electricity generator and they have done a great job with that, because now many people believe it.

But, any proposal of whether or not to build a new Nuclear Powerplant three main arguments are to be considered : **ideological**, **economic** and **electricity generation**. The ideological debate can be skipped because the other two arguments make it clear it is not-viable for economic electricity generation reasons to build new Nuclear Power stations.

Why is this so?

- The plants are not Economically viable because of total cost of **insurance**, **building cost overruns** and **decommissioning**. For details see enclosed file An-Economic-Perspective-of-Nuclear-Power-Plants.pdf.
- Electricity Generation by nuclear powerplants is by definition designed to be **unresponsive** to demand and generation fluctuation in a modern distributed electricity grid. For details see enclosed file Nuclear-Power-Plants-a-Nightmare-on-the-Modern-Electricity-Grids.pdf.

For these reasons suggesting in 2017 to build a nuclear power plant is incorrect from economic and technical viewpoint. If one ever gets built it would only be done so driven by ideology.

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<sup>i</sup> by Humphrey Boogaardt of PaYUng Contracting [www.payung.biz](http://www.payung.biz)